

AIRS EPO

EDUCATION & PUBLIC OUTREACH

Sharon Ray SCIENCE TEAM MEETING 10/9/2007



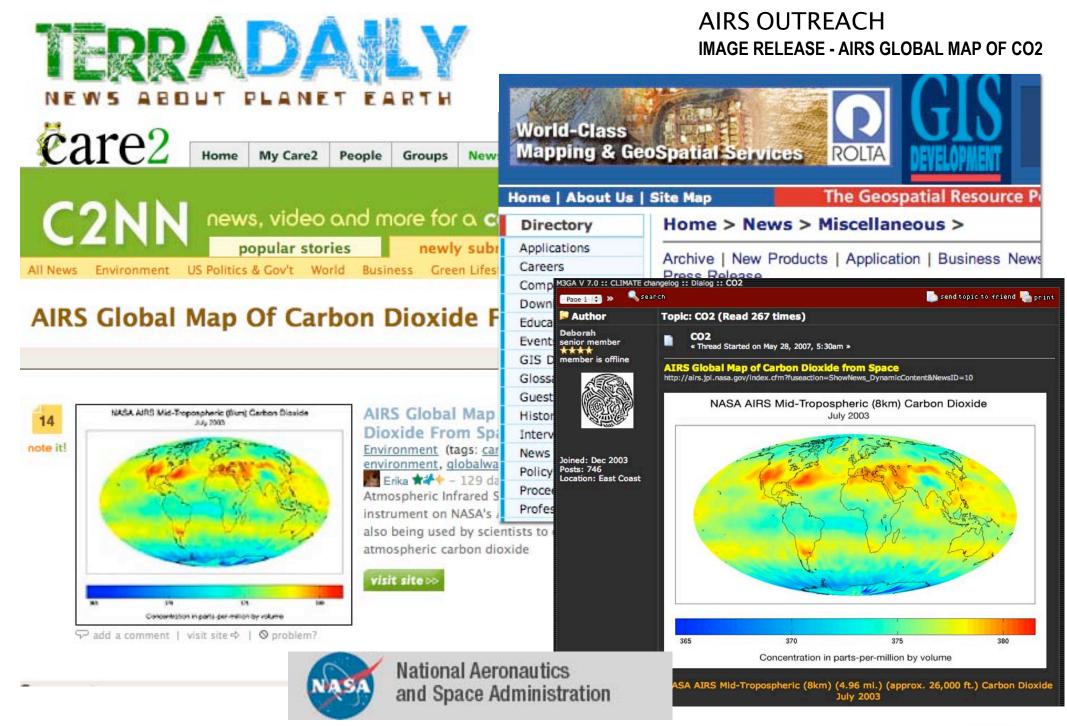


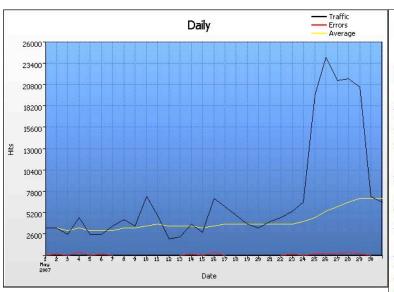




IMAGE RELEASE - AIRS GLOBAL MAP OF CARBON DIOXIDE

The first image release of an AIRS carbon dioxide image occurred on May 18. The story was featured on the NASA home page as well referenced from the JPL home page, JPL Earth page, and it also appeared on the Space Daily, Terra Daily web sites.

AIRS Web Site	April	May
Visitor Sessions	6,989	10,034
Unique Visitors	1,926	3,587









National Aeronautics and Space Administration

Jet Propulsion Laboratory California Institute of Technolog Pasadena, California



AIRS OUTREACH PRESS RELEASE - NEW NASA AIRS DATA TO AID WEATHER, **CLIMATE RESEARCH**

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Phoenix to the pad



The Phoenix lander bound for Mars is hauled to Cape Canaveral's pad 17A on July 23 for installation atop the Delta 2 rocket that will propel the craft on its cruise from Earth to Mars.

Part 1 | Part 2

Dawn waits for date



The Dawn spacecraft is returned to a processing facility to await a new launch date. The mission was delayed from July to September, prompting the craft's removal from the Delta rocket at pad 17B.

Part 1 | Part 2



This highlights movie from the July 23 station spacewalk shows the jettisoning

New NASA data to aid weather, climate research

NASA/JPL NEWS RELEASE

Posted: July 25, 2007

There's an old saying, "You can't see the forest for the trees." When it comes to global climate change, it's not hard to spot the

"trees" -- they're in the news headlines nearly every the "forest," however -- that is, to gain a more comp understanding of the climate variations we're seeing use satellite remote sensing. With these technologies directly measure factors that affect our climate, such water vapor and other greenhouse gases, ozone and concentrations of airborne dust. Scientists feed these computerized climate models to project how our clim change in the future.

Total Column CO (molecules high levels of carbon monoxide on a global scale <u>Click here to view animation</u> (9840 kb) - yet another verything has it impact.

AIRS map of carbon monoxide. Credit: NASA/JPL

A key contributor to this new generation of climate change research tools is the Atmospheric Infrared Sounder, or AIRS, instrument on NASA's Agua spacecraft. Developed und direction of NASA's Jet Propulsion Laboratory, Pasader Calif., AIRS measures the key atmospheric gases affecti climate. It's the first in a series of planned advanced infra sounders that provide accurate, detailed atmospheric measurements for weather and climate applications. Its

STS-118 patch

This is the official

GeoSinam's Blog

World Perspective - Global Carbon Issue

mber in December 2002, with the sponsibility for launch market planning nalytics and maintaining D. Anias geo-data wateriouse. Currently, am is Manager of the Market Analytics nning (MAPS) unit, supporting multiple npany-wide efforts in DayJet's marketin iles, customer service, advanced chnology, and finance departments. Prio Day let over the course of a journey reer Sinam has held mid-level positions that the USDA, Reuters, consulting firms, seller businesses' and rogue start-ups. Sinam is classically trained in GIS with a

over 300,000 feet. This 3 DVD collection contains over 10 hours of material, the largest ever assembled and will allow you to experience the proud legacy of the X-15.

to the International Space

astronaut patch of space shuttle Endeavour's STS-118 mission

Station. The crew features Barbara Morgan, the former

Previous Posts

Finding Smooth Air + Read More

07.25.07



NASA at AirVenture 2007 + Read More

National Aeronautics and Space Administration

+ LATEST NEWS

+ Text Only Site

+ Non-Flash Version

+ en Español

+ Site Help & Prefer

+ MULTIMEDIA

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+ For Kids

+ For Students

+ ABOUT NASA

+ For Educators

+ For Media & Press

+ For Researchers

+ For Industry

+ LIFE ON EARTH

+ For Employees



+ HUMANS IN SPACE







Space Station Science

Endeavour Readiness

+ Space Shuttle Section

Managers Review



07.25.07

PRESSZOOM Clobal News Service & Press Release Distribution

technology experts, all at

PLANETARY NEWS: EARTH (2007)
AIRS DATA TO AID WEATHER AND CLIMATE RESEARCH



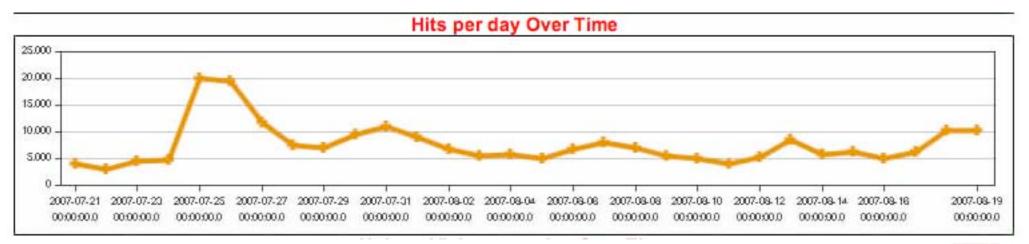


PRESS RELEASE - New NASA AIRS Data to Aid Weather, Climate Research

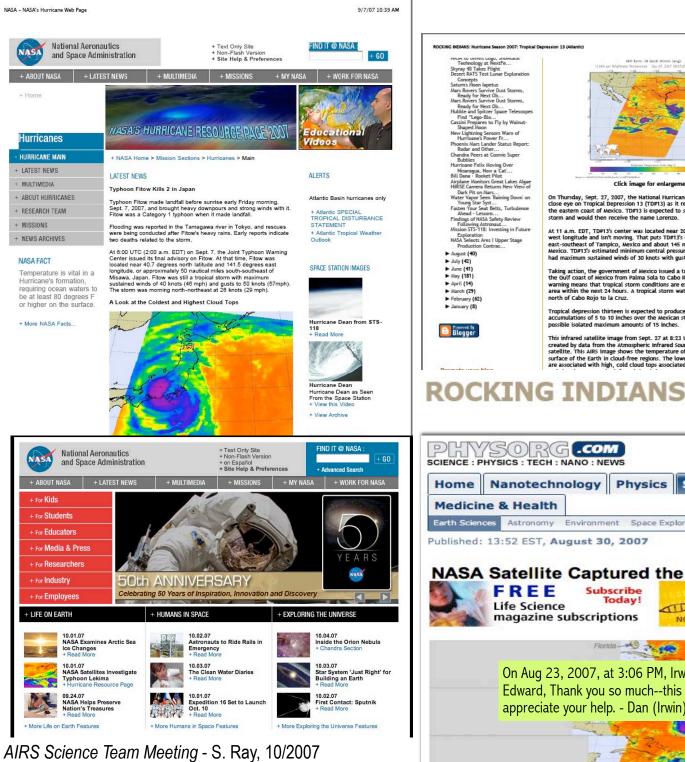
Describes newly released AIRS measurements which includes better temperature and water vapor profiles; profiles of carbon monoxide, methane and ozone; and warning 'flags' to identify concentrations of sulfur dioxide and dust.

• In the two weeks since the V5 release announcement (07/25/07), more than 40 people registered through our online AIRS Data User Registration form.

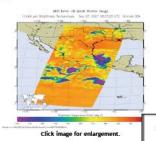
AIRS Web Site	June	July
Visitor Sessions	9,878	12,174
Unique Visitors	2,484	3,505







AIRS OUTREACH HURRICANE RAPID RESPONSE



On Thursday, Sept. 27, 2007, the National Hurricane Center w close eye on Tropical Depression 13 (TD#13) as it remains alm the eastern coast of Mexico. TD#13 is expected to strengthen storm and would then receive the name Lorenzo

At 11 a.m. EDT. TD#13's center was located near 20.7 north la west longitude and isn't moving. That puts TD#13's center abo east-southeast of Tampico, Mexico and about 145 miles east o Mexico. TD#13's estimated minimum central pressure was 1008 had maximum sustained winds of 30 knots with gusts to 40 kr

Taking action, the government of Mexico issued a tropical stor the Gulf coast of Mexico from Palma Sola to Cabo Rojo. A trop warning means that tropical storm conditions are expected wi area within the next 24 hours. A tropical storm watch remains north of Cabo Rojo to la Cruz.

Tropical depression thirteen is expected to produce total rain accumulations of 5 to 10 inches over the Mexican state of Ver possible isolated maximum amounts of 15 inches

This infrared satellite image from Sept. 27 at 8:23 UTC (4:23 created by data from the Atmospheric Infrared Sounder (AIRS) satellite. This AIRS image shows the temperature of the cloud surface of the Earth in cloud-free regions. The lowest tempera are associated with high, cold cloud tops associated with the l

9/30/07 7:53 PM

tobin Storm: Update On Hurricane IVO and TD #10

SEARCH BLOG | FLAG BLOG Next Blog«

Robin Storm

In Search Of Severe Weather.



NASCAS Member

About Me

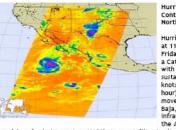
Robin Storm - In Search of Severe My name is Robert Stormer and I am a Marine Salvage Specialist and Maritime

Severe Weather Spotter. Chasing maritime weather systems is something that well, just comes with the job I fell in love with the dangerous and awesome power of mother nature a very long time ago and now chase and spot shore-side severe weather systems on my off time. Remember, safety first always!

View my complete profile

Friday, September 21, 2007

Update On Hurricane IVO and TD



Infrared Sounder instrument on NASA's Aqua satellite. Ivo is e weaken to a tropical storm later today and make landfall in a tropical storm some time on Monday, Sept. 24. The image, a.m. EDT Sept. 21, shows large areas of strong convection se core of the storm (in purple)

Image credit: NASA/JPL

+ Larger view

Earth Sciences Astronomy Environment Space Exploration

Medicine & Health

Nanotechnology

ROCKING INDIANS: Hurricane Season 2007: Tropical Degression 13 (Atlantic

Technology at NextFe... Skyray 48 Takes Flight Desert RATS Test Lunar Exploration

Desert RATS Test Linar Exploration Concepts Saturns Moon lapetus Mars Rovers Survive Dust Storms, Ready for Next Ob... Mars Rovers Survive Dust Storms, Ready for Next Ob... Hubble and Spitzer Space Telescoper Find "Lego-Bio... Cassim Prepares to Fly by Walnut-Shaped Moon

New Lightning Sensors Warn of Hurricane's Power Fr...

Hurriaane's Power Fr...
Phoenix Mars. Lander Status Report:
Radar and Other...
Chandra Peers at Cosmio Super
Bubbles
Hurricane Felix Moving Over
Bubbles
Burricane Felix Moving Over
Bubbles
Bunan Rooker Plice
Bunan Rooker Rooker
Bunan Roo

Dark Pit on Mars...
Water Vapor Seen Raining Down on Young Star Syst...
Fasten Your Seat Belts, Turbulence

Ahead - Lessons... Findings of NASA Safety Review Following Astronaut... Wission STS-118: Investing in Future

Exploration NASA Selects Ares I Upper Stage

August (40)

▶ July (42)

▶ June (41)

► May (181)

► April (14)

► March (29)

► January (8)

Blogger

February (62)

Published: 13:52 EST, August 30, 2007

NASA Satellite Captured the Life and Death of Hurricane Dean



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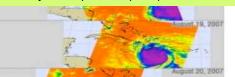




Physics Spac

On Aug 23, 2007, at 3:06 PM, Irwin, Daniel E. (MSFC-VP61) wrote:

Edward, Thank you so much--this is fantastic! We will post and provide to the countries. I deeply appreciate your help. - Dan (Irwin)







AIRS RAPID RESPONSE - THE 2007 HURRICANE SEASON (8/15 to present)

- 64 web pages on AIRS web site to date
- 20 hurricanes/typhoons/tropical storms
- 4x lead image on JPL Home Page
- 22x lead image on the NASA Hurricane Portal
- ALMOST 8% OF ALL NASA-WIDE WEBSITE TRAFFIC WENT TO THE HURRICANE PAGE FOR THE MONTH OF AUGUST
- 96% HURRICANE TRAFFIC WAS FOR HURRICANE DEAN
- 66% of traffic went for Shuttle and 9.5% went for ISS.
- OF THE 18 IMAGES USED FOR NASA HURRICANE DEAN COVERAGE, 8 WERE FROM AIRS

AIRS Web Site: June (no hurricane coverage) vs Aug (hurricane coverage)

AIRS Web Site	June	August (8/15-8/31)
Visitor Sessions	9,878	14,485
Unique Visitors	2,484	4,251



AIRS WEB SITE

- AIRS Data Video on home page
- more flash videos
- split Videos/Animations
- scientist profiles
- Skew-T
- Climate section
- Focus on climate modelers
- Publication Database

AGU

- NASA Booth
- 4'x6' Plasma Screen
- 2x Community Plasma Screens
- 2x "In-Booth" talks





MORE...

- Earth Science Career Night
- Museum Alliance
- Eric Fetzer & Duane Waliser



Museum Alliance

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Welcome to the NASA Museum Alliance!

Welcome to the Museum Alliance, your gateway to NASA resources for museums, science centers, and planetariums. This service builds on the foundation built by the Mars Museum Visualization Alliance in 2003-05 and extends it to other NASA content areas including solar system exploration, beyond our solar system, Earth observations, and human spaceflight. We provide advance notice of key mission events so you can plan local programs, and also provide professional development telecons and materials for you to use in your programs.

You can also Advertise your events on several NASA mission pages (see Mars Events, Mars

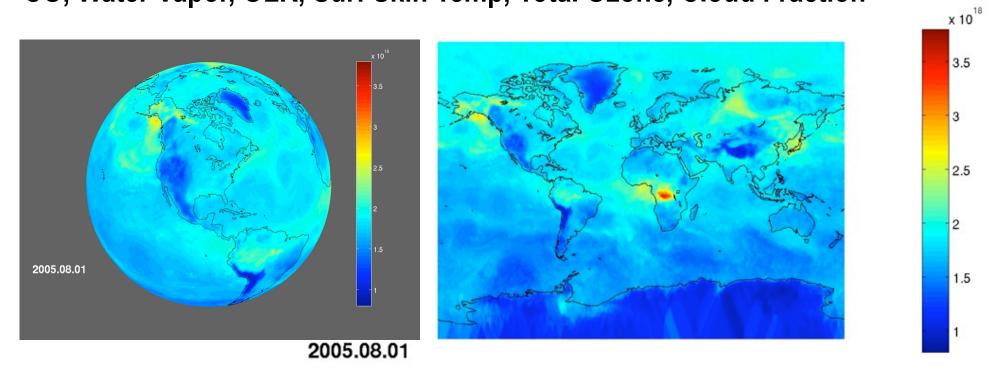






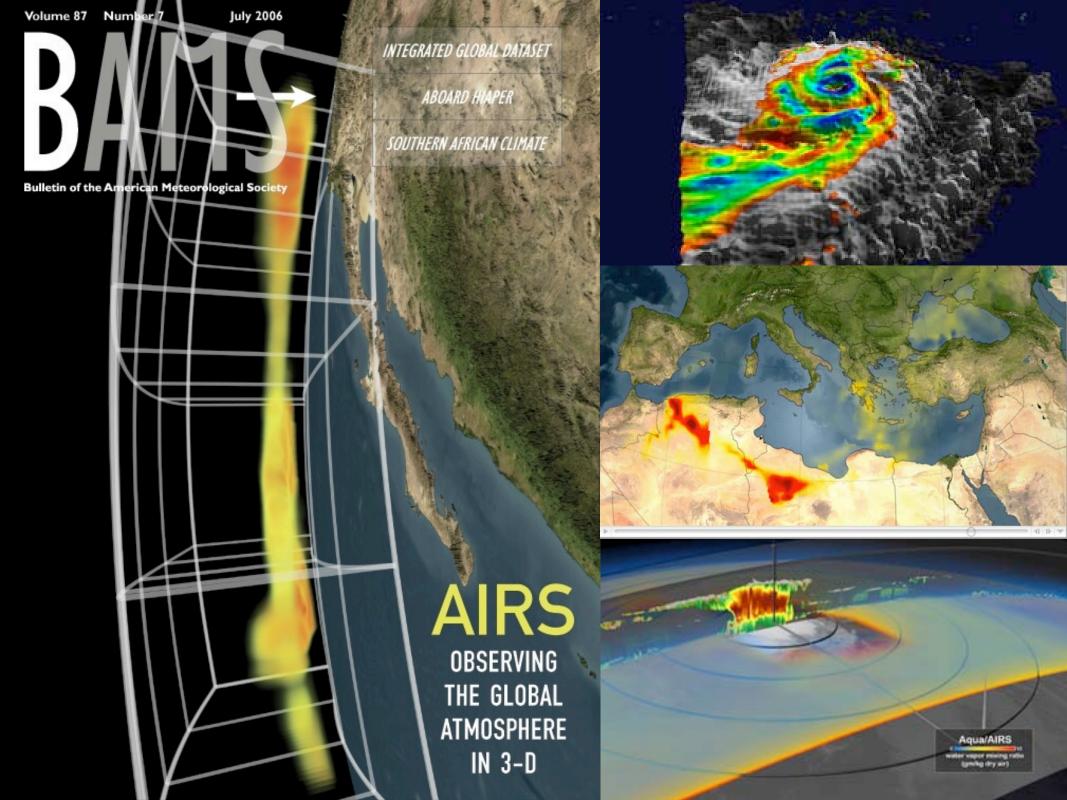


TIME SERIES ANIMATIONS CO, Water Vapor, OLR, Surf Skin Temp, Total Ozone, Cloud Fraction



V507, 2 Projections





SVS TOUR

SCIENTIFIC VISUALIZATION STUDIO

THURSDAY, OCTOBER 11 @ 6PM GODDARD BUILDING 28 ROOM S121

- 20 attendees can be accommodated
- sign up list & maps at the badge table

The SVS will show a variety of Earth science visualizations with a spotlight on AIRS visualizations. This may inspire you with fresh ideas about visualizing your data.

